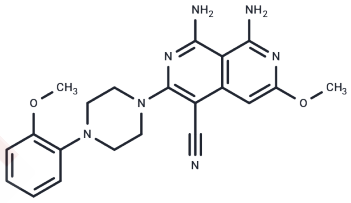
Data Sheet (Cat.No.T79869)

TargetMol

Rac1-IN-3

Chemical Properties



CAS No. : 380470-06-4

Formula: C21H23N7O2

Molecular Weight: 405.45

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Rac1-IN-3 is a potent Rac1 small GTPase inhibitor with anti-metastatic activity (IC50 = 93 nM). It acts by disrupting Rac1-mediated cytoskeleton reorganization, effectively suppressing lamellipodia formation and cell migration in breast cancer models.
Targets(IC50)	Rho
In vitro	Rac1-IN-3 inhibits Rac1 activity (IC50 = 46.1 uM) by binding to its surface pocket, validating CADD in discovering Rho GTPase modulators [1].

Solubility Information

Solubility	DMSO: 100 mg/mL (246.64 mM),Sonication is recommmended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4664 mL	12.332 mL	24.664 mL
5 mM	0.4933 mL	2.4664 mL	4.9328 mL
10 mM	0.2466 mL	1.2332 mL	2.4664 mL
50 mM	0.0493 mL	0.2466 mL	0.4933 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Gonzalez, et al. Preparation of N-(4-sulfamoylphenyl) amides as inhibitors of voltage-gated sodium channels. United States, US20060025415 A1. 2006-02-02.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481